

ABSTRACT OF THE DISCLOSURE

A laser emitter including: a first lens barrel portion for holding a first laser element; a second lens barrel portion for holding a second laser element whose optical axis is slanted with respect to an optical axis of the first lens barrel portion, the second lens barrel portion being provided as one unit with the first lens barrel portion; a first lens supporting portion provided at the tip of the first lens barrel portion to support a first collimator lens; and a second lens supporting portion provided at the tip of the second lens barrel portion to support a second collimator lens, in which the first and second lens supporting portions are capable of supporting the collimator lenses with an adjustment range stretching in an optical axis direction, and the first and second collimator lenses are fixed and supported at positions adjusted within the adjustment range.